

Bayonne Barrel and Drum- Dioxin Data

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A Region II ESAT validator performed the data validation on 11 Dioxin/Furan soil samples from the Bayonne Barrel & Drum site and 4 performance evaluation (PE) samples.

I have reviewed the data assessment produced by the ESAT validator and concur that all Dioxin/Furan analytes in 11 soil sample are to be flagged estimate ("J") for the following reasons:

1. Cooler temperature when received by the laboratory was above 4° C.
2. According to the laboratory's narrative, results were not corrected for diphenyl ether interferences due to gross contamination of the samples. Therefore, reported values greater than 200 ppt for the tetra/penta homologs, 500 ppt for the hexa/hepta homologs and 1000 ppt for the octa homologs are flagged "J".
3. The laboratory did not perform a second column confirmatory analysis as required by the method for TCDF analytes. Therefore, TCDF analytes in all samples are flagged "J".

All PE sample results were off by a factor of 1000 except for MAM294 (soil blank). It appears there is a mix up on what units should be used. Applying an adjustmant of 1000, the PE results for 0130438 and IHX821 are within the acceptable window range. MAM294 was correctly reported as non-detects. TT0070 is an Aroclor 1260 PE sample and the laboratory analyzed and incorrectly reported it as a Dioxin/Furan PE sample.

The data package is being returned to you along with two copies of the data assessment.

Contact me if I can be of further assistance.

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